AMENDMENTS:

IN THE SPECIFICATION:

Please insert the following replacement paragraph at page 72, line 5:

-- A *T. maritima* genomic library was constructed in the Lambda ZapII® cloning vector (Stratagene Cloning Systems), and mass excision was performed according to the manufacturers protocol to yield a gene library in the pBluescript cloning vector. The pBluescript library was screened in SOLR *E. Coli* cells (Stratagene) for CMCase activity and a positive clone was identified and isolated. This clone was used to inoculate an overnight culture of Luria Broth liquid medium as per Ausubel, F. M., et al., Short Protocols in Molecular Biology, 2d Ed., Harvard Medical School (1992). The plasmid DNA was isolated from the overnight culture using an alkaline lysis mini-prep protocol as per Maniatis, T., et al., Molecular Cloning, Cold Spring Harbor Press, New York (1982). Mini-prep DNA was then used to transform competent *E. coli* cells, XL1 blue (Stratagene) according to the manufacturer's protocol. A single clone was then used to innoculate a 100 ml overnight culture of Luria Broth liquid medium and plasmid DNA was isolated from this overnight using midi-prep procedure according to the manufacturer's protocol (Qiagen). The midi-prep plasmid DNA was partially sequenced with an ABI 377 and a putative open reading frame was idnetified within the sequenced region. The sequence information was used in the generation of primer sequences which were subsequently used to PCR amplify the target gene encoding the CMCase activity. The primer sequences used were as follows:

5' TTATTGCGGCCGCTTAAGGAGGAAAAAATTATGGGTGTTGATCCTTTTGAA 3' (SEQ. ID NO: 3) and

5' TTATTGGATCCGAAGGTTGAAACCACGCCATCT 3' (SEQ. ID NO: 4). --